

Product datasheet for **MG226033**

Stau1 (NM_001109906) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stau1 (NM_001109906) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stau1
Synonyms:	5830401L18Rik; AW549911; C85792; Stau
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG226033 representing NM_001109906
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATAAGCCCCTGGACCCCTCACTCTCGGATGCAGTCCACCTACAGCTATGGCATGCGTGGAGGTGCCT
 ATCCCCCAGATACTTTTACCCATTTCCAGTCCACCTTTACTCTACCAAGTTGAGCTCTCCGTGGGCGG
 ACAGCAGTTTAAATGGAAAGGAAAGATGAGACCACCCGTGAAACACGATGCCCTGCCCGTGCCTGAGG
 ACTCTGCAGAGTGAACCCCTGCCAGAAAGGTTGGAGGTAATGGAAGAGAAGCAGAGGAAGAAAACCTCA
 AATAATCGGAAATAAGCCAAGTGTGAAATTGCGCTGAAGCGGAATTTGCCTGTGAATTTTGTAGTCTTT
 CCTTCTGACACAGGTGGCCCGGAGAGTGGCCACCACACATGAAGAATTTGTGACCAGGGTTTCAGTT
 GGGGAATTTGTAGGGGAAGGAGAAGGAAAAGCAAGAAGATCTCCAAGAAGAATGCGGCCAGGGCTGTT
 TGGAGCAGCTTAGGAGGCTGCCACCCCTCCCTGCTGTGGAGCGAGTGAAGCCAGAATCAAGAAGAAAAG
 TCAGCCACCTGCAAGCTACAGACAGCCCGGATTATGGCCAAGGGATGAATCCTATTAGTAGACTTGCA
 CAGATCCAGCAGGCAAAAAGGAGAAGGAGCCAGAGTACATGCTCCTTACAGAACGAGGTCTTCCACGTC
 GCAGGGAGTTTGTGATGCAGGTAAGGTTGGGCATCACACTGCAGAAGGAGTGGGTACCAATAAGAAGGT
 GGCCAAGCGTAATGCTGCTGAGAACATGCTGGAGATCCTGGGTTCAAAGTTCGCCAGGCGCAGCCTGCC
 AAGCCAGCACTCAATCAGAAGAGAAGACTCCAGTAAAGAAAACAGGAGACGGAAGGAAAGTAACGTTTT
 TTGAACCTAGCCCTGGGATGAAATGGAAGTGTAAAGAACAGGACGAGGAGTTCAGGATGCCTTATCTTAG
 CCATCAGCAGCTGCCAGCTGGAATTCCTCCCATGGTGCCGGAAGTTGCCAGGCTGTGCGGGTTAGTCAA
 GGACACCACACCAAGATTTACCAGGGCAGCTCCAAATCCTGCCAAGGCAACGGTAACCTCCTCTCAGG
 CCCGAGAGTTGTGTACGGGGCACCTCGCCACAGCCGAGACATTTTAAAGAGTAACATCTCTCAGG
 CCACGTACCCCATGGACCTCGCACTAGACCCTCTGAGCAACTGTACTACCTTTCCAGAGCCAGGGATT
 CAGGTTGAATACAAGATTTTCCCAAGAACAACAAGAACGAGTGTGTATCTCTCACTCAACTGCTCCTCAC
 AGCCGCTCTCGTCAGTCATGGCATCGCAAGGATGTGGAGTCTGTGATGATATGGCTGCACTGAACAT
 TTTAAAGTGTCTGTGAGTTGGACCAACAGAGCACAGAGATGCCAAGAACAGGAAATGGACCAGTTTCA
 GCGTGGGGAGGTGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG226033 representing NM_001109906
 Red=Cloning site Green=Tags(s)

MYKPVDPHSMQSTYSYGMRRGAYPPRYFYFPVPLLYQVELSVGGQQFNGKGMPPVKHDAPARALR
 TLQSEPLPERLEVNGREAEENLNKSEISQVFEIALKRNLVNFESFLLTQVARESGPPHMKNFVTRVSV
 GEFVGELEGKSKKISKNAARAVLEQLRRLPPLPAVERVKPRIKKKSQPTCKLQTAPDYQGQMNPI SRLA
 QIQQAKKEKEPEYMLLTERGLPRRREFVMQVKVGHHTAEGVGTNKKVAKRNAENMLEILGFKVPQAQPA
 KPALKSEKTPVKKPGDGRKVTFFPSPGDENGTSNKDEEFRMPYLSHQQLPAGILPMVPEVAQAVGVSQ
 GHHTKDFTRAAPNPAKATVTAMIARELLYGGTSPTAETILKSNISSGHVPHGPRTRPSEQLYYLSRAQGF
 QVEYKDFPKNNKNECVSLINCSSQPPLVSHGIGKDVESCHDMAALNILKLLSELDQQSTEMPRTGNGPVS
 ACGRC

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001109906

ORF Size: 1485 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001109906.2](#)

RefSeq Size: 3020 bp

RefSeq ORF: 1488 bp

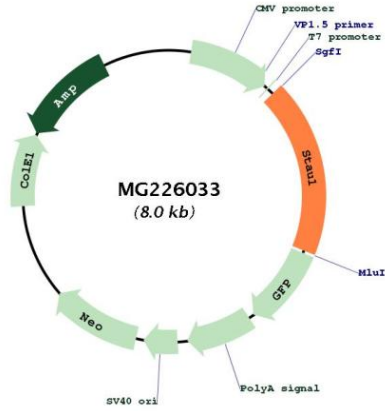
Locus ID: 20853

Cytogenetics: 2 H3

Gene Summary:

Binds double-stranded RNA (regardless of the sequence) and tubulin. May play a role in specific positioning of mRNAs at given sites in the cell by cross-linking cytoskeletal and RNA components, and in stimulating their translation at the site.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG226033